

INTERNATIONAL SEARCH REPORT

International Application No
 /IB2004/052106

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B41M1/10 B41M3/00 B41M5/00 B41F9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B41M B41F G03F B41J G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 030 929 A (CROSFIELD ELECTRONICS LIMITED) 16 April 1980 (1980-04-16) page 1, line 1 - line 18	1-19
X	EP 0 430 451 A (HEWLETT-PACKARD COMPANY) 5 June 1991 (1991-06-05) claims 1-10; figure 2 column 4, line 47 - column 5, line 12 column 6, line 5 - line 41	1,2
X	US 2003/081095 A1 (JONG-HOON YI ET AL.) 1 May 2003 (2003-05-01) cited in the application claims 1,2; figures 2,3 paragraphs '0011! - '0018!	14-19



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

21/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Bacon, A

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2030929	A	16-04-1980	DE 2937429 A1	03-04-1980
			JP 1593017 C	14-12-1990
			JP 2015862 B	13-04-1990
			JP 55062456 A	10-05-1980
EP 0430451	A	05-06-1991	US 4999646 A	12-03-1991
			CA 2019292 A1	29-05-1991
			DE 69028489 D1	17-10-1996
			DE 69028489 T2	30-01-1997
			EP 0430451 A2	05-06-1991
			HK 37797 A	04-04-1997
			JP 3231861 A	15-10-1991
US 2003081095	A1	01-05-2003	SG 47494 A1	17-04-1998
			KR 2003035253 A	09-05-2003